Data Sheet
Fujitsu PRIMERGY TX100 S1 Server

Enter the world of servers

PRIMERGY TX industry standard tower servers: efficient, rock solid, record-breaking performance. PRIMERGY TX servers benefit from over 20 years pioneering work in the field of Green IT. That is how TX servers reach industry leading performance per watt ratios, lowering the environmental impact and running costs. TX servers can easily be managed via the free of charge PRIMERGY ServerView Suite, saving IT admin costs. That's efficient performance. Our made-to-measure service packages take care of your system every step of the way. Rest assured, PRIMERGY TX servers are put through 5000 boot cycles - that's rock solid performance. PRIMERGY TX servers are flexible systems capable of using up to two processors and up to 20 hard disks. Tower to rack mounting kits are available for most TX systems to help you move to a consolidated rack infrastructure. TX servers have a tradition of setting record-breaking performance levels. So, whether you use them as tower or rack servers, for file, print or application purposes, you will benefit from record-breaking performance. PRIMERGY TX: a tower of strength.

PRIMERGY TX100 S1

The PRIMERGY TX100 S1 is your entry to the world of servers. It is the perfect system for SMEs looking to centralize their IT infrastructure, and offers a great price-performance ratio. Moreover, the TX100 S1 is very silent and energy efficient making it an excellent choice for any office environment. The 85% efficient power supply unit minimizes costs, as well as the environmental impact. The use of data security features such as ECC memory and RAID 0/1 ensures around-the-clock reliability. Finally, the TX100 S1 offers a choice of Intel® processors suited to the needs of SMEs. Step into the world of PRIMERGY servers.

Features and Benefits

Main Features	Benefits
■ Great price-performance ratio	■ With a choice of processors up to Intel Xeon®, and budget options to choose from, the PRIMERGY TX100 S1 offers an excellent price-performance ratio
■ High energy efficiency with 85% efficiency power supply unit (PSU), EPA 5.0 compliant	■ Benefit from Fujitsu's pioneering experience in Green IT - save money and minimize environmental impact
■ Low noise levels	■ Effective hardware design air flow ensures a silent system for an efficient working environment.
■ Server reliability thanks to the use of components such as Intel 3200 server chipset, ECC memory and RAID 0/1	■ Keep business processes going - 24x7

Technical details

PRIMERGY TX100 S1 2 HDD	
Housing type	Tower
Hard disk architecture	2 HDD
Mainboard	
Mainboard type	D 2679
Chipset	Intel® 3200 + ICH9R
Processor quantity and type	1 x Intel® Core™2 processor / Intel® Pentium® processor / Intel® Xeon® processor E3100 series / Intel® Xeon® processor L3300 series / Intel® Xeon® processor X3200 series / Intel® Xeon® processor X3300 series
Processor	Intel® Core™2 Duo processor E7400 (2C, 2.80 GHz, SLC: 3 MB, TLC: -, Turbo: No, 1066 MHz, 65 W)
	Intel® Pentium® processor E5800 (2C, 3.20 GHz, SLC: 2 MB, TLC: -, Turbo: No, 800 MHz, 65 W)
	Intel® Xeon® processor E3110 (2C, 3.00 GHz, SLC: 6 MB, TLC: -, Turbo: No, 1333 MHz, 65 W)
	Intel® Xeon® processor X3330 (4C, 2.66 GHz, SLC: 6 MB, TLC: -, Turbo: No, 1333 MHz, 95 W)
Memory slots	4
Memory slot type	DIMM (DDR2)
Memory capacity (min. - max.)	1 GB - 8 GB
Memory protection	ECC
Memory notes	Mix and match possible, with dual channel operation better performance (2 modules with equal capacity necessary). Single channel (1 module) configuration possible.
Memory modules	1 GB (1 module(s) 1 GB) DDR2, 800 MHz, PC2-6400
	2 GB (1 module(s) 2 GB) DDR2, 800 MHz, PC2-6400
Interfaces	
USB ports	10 (2 x front, 6 x back, 2 x internal)
Graphics (15-pin)	1 x VGA (ATI ES1000 (32MB) on board)
Serial 1 (9-pin)	1 x RS232
Parallel (25-pin)	1 x ECP / EPP parallel port (25 pin) - optional
Mouse / Keyboard (PS/2)	2
LAN / Ethernet (RJ-45)	1 x Gbit/s Ethernet
I/O controller on board	
Serial ATA total	6
RAID Controller	4 port SATA with RAID 0/1 for HDDs
SATA Controller	SATA2 (3GBit)
LAN Controller	Intel® Nineveh 82566DM, 10/100/1000 Mbit/s Ethernet, PXE-Boot by LAN via PXE-Server, Teaming supported
Trusted Platform Module (TPM)	Infineon / 1.2 (option)
Slots	
PCI-Express x8	1 x
PCI-Express x4 (mech. x8)	1 x
PCI-Express x1	1 x
PCI slots	1 x
Slot Notes	PCI 32/33 MHz, 3.3V, full-height slot with low-profile-option available
Drive bays	
Hard disk bays	2 x 3.5-inch easy change SATA
Hard disk bay configuration	2 bays
Notes accessible drives	1 bay occupied by DVD/DVD-RW 1x 3.5/1-inch FD as option

Number of fans	
Fan configuration	silent system fans
Fan notes	non hot plug
Operating panel	
Operating buttons	On/off switch
Status LEDs	Power (green)
Operating Systems and Virtualization Software	
Certified or supported operating systems and virtualization software	Microsoft® Microsoft® Hyper-V™ Server 2008 R2
	Microsoft® Windows Server® 2008 R2 Datacenter
	Microsoft® Windows Server® 2008 R2 Enterprise
	Microsoft® Windows Server® 2008 R2 Standard
	Microsoft® Windows Server® 2008 R2 Foundation
	Microsoft® Windows® Server 2008 Enterprise
	Microsoft® Windows® Server 2008 Standard
	Microsoft® Windows® Web Server 2008
	Microsoft® Microsoft® Windows® Small Business Server 2008 Standard
	Microsoft® Microsoft® Windows® Small Business Server 2008 Premium
	Microsoft® Windows Server® 2003 Enterprise Edition
	Microsoft® Windows Server® 2003 Standard Edition
	Microsoft® Windows Server® 2003 Web Edition
	Novell® SUSE Linux Enterprise Server 11
	Novell® SUSE Linux Enterprise Server 10
	Red Hat® Enterprise Linux 5
	Red Hat® Enterprise Linux 4
Operating system release link	http://docs.ts.fujitsu.com/dl.aspx?id=a9e600b9-e4cb-4f48-aa41-632f69058421
Operating system notes	Support of other Linux derivatives on demand
Server Management	
Standard	ServerView Installation Manager
Server Management notes	Regarding Operating System dependencies and product details for ServerView Suite Software Products see dedicated Product Data sheets.
Dimensions / Weight	
Floor-stand (W x D x H)	203 x 386 x 390 mm
Weight	12 kg
Environmental	
Noise emission	According to ISO9296
Sound pressure (LpAm)	21 dB(A) (idle)/ 25 dB(A) (operating)
Sound power (LWAd; 1B = 10dB)	3.7B (idle) / 4.0B (operating)
Operating ambient temperature	10 - 35C
Operating temperature note	ETSI 300 019-2-3 Class 3.1
Operating environment	FTS 04230 Guideline for Data Center (installation locations)
Operating environment Link	http://docs.ts.fujitsu.com/dl.aspx?id=e4813edf-4a27-461a-8184-983092c12dbe
Electrical values	
Power supply configuration	1
Standard power supply output	300 W
Rated voltage range	100 V - 127 V / 200 V - 240 V
Rated frequency range	47 Hz - 63 Hz
Rated current max.	100 V 240 V / 3.5 A 1.5 A
Rated current in basic configuration	100 240 V / 1,5 0,6 A
Active power (min. configuration)	53 W
Active power (max. configuration)	146 W
Apparent power (max. configuration)	63 VA - 156 VA

Electrical values	
Heat emission	525.6 kJ/h (498.2 BTU/h)
Compliance	
Germany	GS
Europe	CE Class A *
USA/Canada	CSAc/us ULc/us FCC Class A
Global	CB RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronical equipment)
Compliance notes	There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request. * Warning: This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/default.aspx

Components

Hard disk drives	HDD SATA, 3 Gb/s, 1000 GB, 7200 rpm, non-hot-plug, 3.5-inch, business critical
	HDD SATA, 3 Gb/s, 500 GB, 7200 rpm, non-hot-plug, 3.5-inch, business critical
	HDD SATA, 3 Gb/s, 250 GB, 7200 rpm, non-hot-plug, 3.5-inch, economic
	HDD SATA, 3 Gb/s, 250 GB, 7200 rpm, non-hot-plug, 3.5-inch, business critical
Hard disk notes	PRIMERGY TX100 S1 hard disks are not hot-plug.
Tape Drives	DDS Gen5, 36 GB, 3 MB/s, half height, USB 2.0
	DDS Gen6, 80 GB, 6 MB/s, half height, USB 2.0
	RDX Drive, 80 GB, 160 GB, 320 GB, 500 GB , 25 MB/s, half height, USB 2.0
Optical drives	Blu-ray Disc™ Triple Writer, (4x BD-RW; 16x DVD; 40x CD), half height, SATA I
	DVD-ROM, (16xDVD; 48xCD), half height, SATA I
	DVD Super Multi, (16xDVD, 8xDVD+RW 6xDVD-RW, 12xDVD-RAM; 48xCD, 32xCD-RW), half height, SATA I
LAN Controller	Ethernet Ctrl. 1 x 1 Gb Intel® Gigabit CT Desktop Adapter
	Ethernet Ctrl. 1 x 1 Gb Intel® PRO/1000 PT Server Adapter

Warranty	
Standard Warranty	1 year
Service level	On-site Service (depending on country)
Maintenance and Support Services - the perfect extension	
Recommended Service	7x24, Onsite Response Time: 4h - For locations outside of EMEA please contact your local Fujitsu partner.
Spare Parts availability	5 years
Service Weblink	http://ts.fujitsu.com/Supportservice

More information

Fujitsu platform solutions

In addition to Fujitsu PRIMERGY TX100 S1, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Dynamic Infrastructures
With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing Products
www.fujitsu.com/global/services/computing/

Software
www.fujitsu.com/software/

More information

Learn more about Fujitsu PRIMERGY TX100 S1, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
http://ts.fujitsu.com/Primergy

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT.
Please find further information at http://www.fujitsu.com/global/about/environment/

Copyrights

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.
For further information see http://ts.fujitsu.com/terms_of_use.html
Copyright Fujitsu Technology Solutions

Disclaimer

Technical data are subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner

Contact
FUJITSU LIMITED
Mies-van-der-Rohe-Straße 8
80807 München
Germany
Website: www.ts.fujitsu.com
2011-07-06 CE-EN

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded.
Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.
For further information see http://ts.fujitsu.com/terms_of_use.html
Copyright Fujitsu Technology Solutions